

What is claimed is:

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A2 1. A device for autologous blood transfusion comprising:  
an autotransfusion set including a separation unit for  
concentrating a cell fraction, a tubing system for providing a  
connection to a blood supply, and a filter means for  
eliminating at least one of leukocytes and tumor cells, the  
tubing system including a blood supply line leading to the  
separation unit for supplying blood to be processed, and a  
return line leading away from the separation unit for  
supplying the concentrated cell fraction; and

a centrifuge unit, the separation unit of the  
autotransfusion set being rotatably mounted to the centrifuge  
unit.

2. The device of claim 1, wherein the filter means is  
arranged in the blood supply line of the tubing system.

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A3 3. The device of claim 2, wherein the autotransfusion set  
includes a blood collecting tank having an inlet and an  
outlet, the blood supply line includes a first section  
connected to the inlet of the collecting tank and a second  
section connected to the outlet of the collecting tank, and  
the filter means is arranged in the collecting tank.

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C1 4. The device of claim 3 further including means for  
supplying an anti-coagulant, the means for supplying an anti-  
coagulant being connected to the blood supply line of the  
tubing system.

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A4 5. An autotransfusion set for a device for autologous blood  
transfusion comprising:

a separation unit for concentrating a cell fraction;

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a tubing system including a blood supply line leading to the separation unit for supplying blood to be processed, and a blood return line leading away from the separation unit for supplying the concentrated cell fraction, and

filter means for eliminating at least one of leukocytes and tumor cells.

6. The autotransfusion set of claim 5, wherein the filter means is arranged in the blood supply line of the separation unit.

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A 5  
7. The autotransfusion set of claim 6, wherein the tubing system includes a blood collecting tank having an inlet and an outlet, the blood supply line includes a first section connected to the inlet of the collecting tank and a second section connected to the outlet of the collecting tank, and the filter means is arranged in the collecting tank.

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8. The autotransfusion set of claim 7 further including means for supplying an anti-coagulant, the means for supplying an anti-coagulant being connected to the blood supply line of the tubing system.

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A 6  
9. A method of autologous blood transfusion comprising the steps of:

collecting a quantity of blood from a patient;  
passing the blood through a filter to eliminate at least one of leukocytes and tumor cells;  
centrifuging the filtered blood in order to concentrate a cell fraction, and  
returning the concentrated cell fraction to the patient.

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10. The method of claim 9 wherein the quantity of blood is treated with an anti-coagulant.

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